

THE BULLETIN

OCTOBER 12, 1999 ~ 53RD YEAR ~ NUMBER 5

Council Seeks Financial Plan by December

BY SUSAN BLOCH-NEVITTE

ONTARIO'S UNIVERSITIES ARE calling for a firm financial commitment by the provincial government to cope with increased student demand that has surpassed six per cent this year and could surge by 40 per cent over the next decade.

At news conference Oct. 8, President Robert Prichard, immediate past chair of the Council of Ontario Universities, joined with current chair Paul Davenport of the University of Western Ontario and COU's president Ian Clark in calling for a funding plan by this December.

"We face overwhelming challenges over the next decade," said Prichard, "including increased demand, aging infrastructure and an internationally competitive market for faculty. We're doing our part but ultimately this will require substantial new public investment. This is a once-in-a-generation change to the post-secondary system and it's a great opportunity for us if we do this right."

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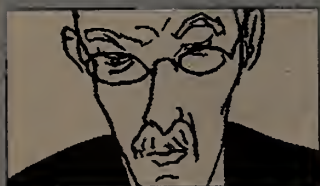
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Talking it through

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Proceed with caution

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MUSIC, MAESTRO!



Celebrated conductor Raffi Armenian is the new music director and conductor of the University of Toronto Symphony Orchestra. Armenian, formerly with the Kitchener-Waterloo Symphony for 22 years, has recorded many

award-winning albums. On Oct. 1, Armenian launched his inaugural season at U of T with an evening concert. Here, he conducts rehearsals the day before his inaugural performance.

ROB ALLEN

OPENING DOORS

University life still a challenge for the physically disabled

BY MICHAH RYNOR

ALTHOUGH U OF T'S CAMPUSES ARE known for their landscaped beauty and stunning architecture, those with physical disabilities often find that this picturesque setting can be more challenging than idyllic.

Many university buildings were constructed before society paid attention to the disabled and the sheer size of the campuses is daunting for anyone with a physical or visual disability.

The Ontario Human Rights Code stipulates that those with disabilities are not to be disadvantaged in public institutions, "so we're obligated to find solutions to any barrier problem a student may encounter," says Helen Simson, co-ordinator of U of T's Disability Services for Students. It can take years, however, to get a concrete wheelchair ramp built and many months to get a simple electric door-opener

installed, with history and money being the usual reasons for delays, she adds.

U of T owns many historically important buildings and Heritage Toronto, formerly the Toronto Historical Board, must be alerted whenever building changes are suggested. "Instead of just pouring a slab of concrete for a

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Q & A

INVESTING IN THE FUTURE

President Robert Prichard calls for more government funding

This is your 10th and final year as president. What lies ahead for the year?

At a personal level this is a year of transition. I plan to put a lot of emphasis on completing initiatives and then preparing for a very smooth transition to the next president. Much more important, however, the year ahead is one of great significance and opportunity for the university. Our mission remains constant: to be Canada's pre-eminent university and to rank with the finest public research universities in the world. I see ahead the possibility of making real progress in pursuit of our mission.

The decade of the 1990s has been a very difficult one for public higher education in Canada and in particular in Ontario. The expenditure control program, the social contract and the common sense revolution conspired

together to greatly diminish our public resources by over 25 per cent. But that is behind us. We are on the threshold of major new public investments from both the provincial and federal governments, which will allow us to strengthen the university and reaffirm our public purposes.

What's happening at the federal level that makes you so optimistic? We've had a good run in Ottawa over the past three years and our cause continues to gain attention and momentum. Once the federal government got its fiscal house in order, research, innovation and students have loomed large in its priorities. The Canada Foundation for Innovation, the

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INVESTING IN THE FUTURE

~ Continued From Page 1 ~

Canadian Institutes for Health Research and the Canada Millennium Scholarship Fund were major steps in the right direction and I believe they are just the beginning. Despite some ambiguity as to where Ottawa stands on the issue of brain drain, it is clear that the federal government accepts both that our capacity for research and innovation at internationally competitive levels is absolutely central to Canada's future and that the federal government has a clear constitutional role and responsibility to strengthen our capacity. As a result I expect the federal government will continue to make substantial new investments in our cause, allowing us to attract, retain and develop the talent necessary for us to stand in the first rank of nations with respect to ideas, scholarship and research. I am cautiously optimistic that the throne speech this week will chart this direction. Furthermore, there is a better prospect of increased transfer payments to support post-secondary education than at any time in the past decade.

What about the provincial level?

With the major provincial cutbacks behind us, the province has begun to invest significantly in research through the Ontario Research and Development Challenge Fund and the Ontario Innovation Trust. These are very welcome developments and the University of Toronto is doing well in these competitions.

Where the province must move now is on the issue of basic operating support for universities. We simply must have a significantly increased provincial investment in public higher education. We need new investment to ensure that we can provide high quality experiences for our students, and now, because of the demographic boom that is upon us, we must have new investment so that every qualified and motivated graduate of an Ontario high school can have a place at our universities. We have projected a 40 per cent increase in enrolment for the Ontario university system over the next decade. This fall we have already experienced a six per cent increase and the boom has just begun. We simply cannot accommodate more students without more provincial support. If we take more students without more resources we will compromise the quality of everything we do for those we have already admitted and it would just be wrong for us to do it.

As a result the dominant issue facing the provincial government over the next number of months is to commit itself to a multi-year plan of sustained and substantial new public investment in our universities and colleges to accommodate this enrolment growth. Again, I'm optimistic. I think the province will continue to increase its investments in research and innovation as part of its agenda to make Ontario the finest jurisdiction in North America to live, work and raise a family. And I believe the provincial government will make a

major new commitment of operating funds to accommodate the demographic boom and provide an opportunity for all qualified applicants.

Is this positive period ahead without hazards?

Absolutely not. Despite the opportunities developing there are very real hazards imbedded in them. Virtually every time government makes a significant new investment, it is tempted to ask how might it invest differently and what different goals might be pursued. A microcosm of this problem is the



recent federal expert panel report on the commercialization of university research, where the proposal is that the federal government invest more in our research but in return we embrace a new set of burdensome and counter-productive regulatory interventions concerning the intellectual property of our faculty members arising from their research. This, at least as proposed now, would be a mistake. While we would receive more support for our research we would retard the work of our colleagues and we would have an inappropriate extension of government regulation into the heart of the university that would not be good for either the university or the nation.

Similar tensions will arise over the ways in which new operating funds are injected into universities as there will no

doubt be attempts to target these funds unduly narrowly into particular fields or professions. Again, it will be up to the universities to find common ground with the government that preserves our autonomy, preserves our intellectual freedom and preserves our commitment to a broad liberal education while at the same time attracting the necessary public investment.

What does all this mean for the University of Toronto?

It means the university is in for an incredibly exciting decade ahead but also a very challenging one in that we must answer important questions about how we want our university to develop. The University of Toronto is simply too important to the province to be only a recipient of government decisions. We must be a leader and shape the government's decisions about the future of Ontario's universities. But to do that we must decide how we want to see the University of Toronto develop in the face of the demographic boom. Should the University of Toronto grow, and if so, on which campuses, in what fields, at what levels and on what terms? We should only grow if the growth is properly funded. We should only grow if it will allow us to better realize our fundamental purposes and goal as a university through growth. And we should only grow if it will allow us to more fully realize our distinctive mission and emphasize our distinctive character as a great public research university.

The provost and I are about to release a discussion paper to the campus, setting out the questions we believe the university needs to address in this area. We hope there will be a rich debate over the fall and the early spring. As the government's plans for investment become clear we will need to be ready to respond. There will be no more important debate for the University of Toronto than this over the next few years.

How is the Raising Our Sights planning exercise going?

I am extremely pleased. Most of the external reviews have been done and divisions are preparing and submitting their plans. The university is being shaped in a planned way, principally through new appointments. We made over 120 new tenured and tenure-stream appointments last year and have authorized over 170 searches for new appointments this year. This is a remarkable period of opportunity and we must take full advantage of it by making appointments of superb quality.

Finally, how is the fundraising campaign?

The campaign continues to do very well. Our goal is \$575 million by 2002. We already have commitments in excess of \$500 million and my personal determination is to reach the \$575 million mark by June 30, 2000. That will give us two more years for the next administration to exceed the goal and ensure that each faculty, college and school can fund as many of their academic priorities as possible.

ROB ALLEN

ON THE INTERNET

FEATURED SITE

Twinkle, twinkle ...



DID YOU KNOW THAT U OF T's David Dunlap Observatory is the site of the largest optical telescope in Canada? Though it bears the name of the late David Dunlap — a wealthy lawyer, mining entrepreneur and astronomy bug — the observatory is as much the legacy of Professor Clarence Chant (1865-1956), who is considered "the father of Canadian astronomy." Chant, known for his contributions to astronomy education in Canada, was a central figure in establishing the astronomy department at U of T as well as the Dunlap Observatory which, in 1935, housed the world's second largest telescope. Chant retired upon completion of the observatory, considered a world-class facility. Tours are available throughout the year; you can check out the schedule on this Web site along with viewing some incredible archival and current pictures. Beginning in November, the observatory will also hold a lecture series for all astronomy buffs and more information on it can be obtained here.

<http://ddo.astro.utoronto.ca/>

U OF T HOME PAGE

www.utoronto.ca

WAYS OF GIVING

www.donations.utoronto.ca

RESEARCH UPDATES (NOTICES)

<http://www.library.utoronto.ca/rir/hmpage/>

PHD ORALS

www.sgs.utoronto.ca/phd_orals.htm

U OF T JOB OPPORTUNITIES

www.utoronto.ca/jobopps

If you want your site featured in this space, please contact Audrey Fong, news services officer, at: audrey.fong@utoronto.ca



SITES OF INTEREST

Catching the pulse of campus

UTPULSE MAGAZINE IS A NEW AND FUNKY ONLINE magazine with roots at U of T at Scarborough. Although its target audience is predominately the U of T student community, there's much material that would be of interest to staff and faculty. In addition to news relevant to students, this site also offers arts and entertainment, sports, classified ads and health and wellness information. The events listing was disappointingly brief as there's a lot more happening on all three campuses. Perhaps UTPulse will gain more momentum as the school year progresses.

<http://www.utpulse.com>

Come to U of T Day!

DON'T FORGET TO MARK SATURDAY, OCT. 16 ON YOUR CALENDAR and to head down to the St. George campus between 10 a.m. and 4 p.m. for U of T's annual open house. To scope out the variety of venues, check out this Web site for times and locations. Lots to see and lots to do!

<http://www.uoftday.utoronto.ca>

Conciliator Appointed in U of T — Union Contract Talks

BY SUZANNE SOTO

BOTH U OF T AND THE UNION representing 2,500 of its administrative staff hope a provincial conciliator will help break an impasse over job security in the current first contract talks.

Last week the two sides were waiting to hear from conciliator Dennis Nelson on when he could meet with them. Both Professor Michael Finlayson, vice-president (administration and human resources), and Fil Falbo, Toronto co-ordinator of the United Steelworkers of America, whose Local 1998 now represents U of T staff, said they remained optimistic the job security issue would be resolved.

The union wants a clause in the first collective agreement stipulating U of T will agree to observe the seniority of employees in promotions, demotions, transfers, layoffs and recalls, providing the workers have the needed qualifications for the job. However, such a clause would also allow disputes over whether or not an employee has

the required skills, abilities and qualifications for a job to go before an impartial arbitrator, something that is not current practice.

"U of T would still have the flexibility to keep qualified and skilled employees here," Falbo said. "All we're saying is, when those factors are equal, then they should give some consideration to the years of service and loyalty people have given the university."

Finlayson, however, said that being able to continue hiring staff on the basis of merit is a fundamental issue for the university.

"We respect the length of service of employees with the university, it's an important consideration, but it's an important consideration in the context of merit," he said. "Traditionally we've tried as much as possible to hire the best person available for the job and that principle, the merit principle, is in tension with the principle of seniority whereby the driving force is how long you've been with the university, regardless of how well you've done."

Falbo said he realizes deans and

department heads want to maintain total flexibility in their hiring practices but this is no longer acceptable to the union membership. "Through surveys we've found that job security is second only to pensions in terms of importance to our members. Our members are not happy with the ways things have been done in the past and they want to see some change."

He added that if the two sides manage to break their deadlock with the conciliator's help, he believes a first agreement is still achievable before the Christmas break because the parties have resolved "70 per cent of non-economic issues" to date.

Finlayson had similar views. "The negotiations have gone well and quickly. There are some important issues, as you would expect, but I'm confident we can reach agreement in the next few months. The union has been extremely helpful and co-operative in helping us reach agreement on lots of issues already, so I'm optimistic."

A PASSPORT TO INDIA



ROB ALLEN

The Great Hall became, for a morning, a foreign destination as Hart House held a tribute to India, featuring music, dance, art, literature and Indian cuisine. Organizer Judy Schwartz, centre, along with some friends, took the opportunity to try their hand at mehndi, a decorative form of makeup popular at dances and weddings all over South Asia, the Middle East and North Africa.

Campus Radio Station to Reopen After Shutdown

BY MICHAEL RYNOR

THE UNIVERSITY OF TORONTO'S community radio station, CIUT-FM 89.5, is expected to begin regular programming Oct. 12 following a two-week shutdown of the station.

A committee headed by Students' Administrative Council president Matt Lenner temporarily suspended programming at the St. George campus station Oct. 1. The committee, made up of SAC members and a U of T representative, has been managing the station's administrative affairs since the summer after CIUT lost its programming director and most members of its volunteer board of directors. CIUT had also incurred a \$150,000 debt, most of which has been repaid.

The programming suspension, according to an Oct. 7 statement released by Lenner and what is now known as the University of Toronto Campus Radio Incorporated (UTCRI), occurred "in order to retool the programming schedule in light of an agreement struck with 1GroovE.com." This Internet broadcasting company will lease —

on a one-year trial basis — a midnight to 6 a.m. time slot to play electronica, dance and rave music.

Volunteer programmers at the station learned of CIUT's closure after a notice was posted on the station's locked doors. An automatic CD changer has been playing music around the clock during the transitional period.

Once back on the airwaves the station will "strive to actively recruit students to the ranks of its programmers, technicians and other volunteer positions," adds the UTCRI announcement. Some students had complained how difficult it was for them to get involved in the station and that CIUT programming had little campus appeal.

The student council collects \$5 from every St. George campus student and \$1 from every Scarborough and Etobicoke student to help finance CIUT which, with 15,000 watts of power, is heard throughout southwestern Ontario and Buffalo. The station's three-storey building on St. George Street is provided free through a student services fee.

Investment Company Considered

BY CHERYL SULLIVAN

BUSINESS BOARD IS CONSIDERING a proposal that would see the university's treasury department realigned to become a separate, incorporated organization.

Chief financial officer Bob White told board members at a September meeting that this would strengthen the management of the university's considerable investments. Last month President Robert Prichard told Governing Council that U of T's pension and endowment funds "are very substantial now, in excess of \$3 billion," and that the restructuring was an attempt "to increase the rate of return on our funds." It's estimated the new company could increase investment returns by as much as \$20 million per year if policy benchmarks are achieved.

White said the new organization

would only invest the funds; Business Board would still set investment policy and its responsibility for the university's investment governance would remain unchanged.

The change to a company, however, would mean the university's treasury department would no longer exist within U of T. The new organization would be headed by a chief investment officer reporting to the new company's board.

Under this structure a new investment board would replace the existing president's investment committee. The staff would be expanded from 10 to between 15 and 18 people to allow for more senior investment staff. Administrative staff would likely remain U of T employees under the new organization. White said that incorporating the organization would follow the trend of a number

of American schools.

The proposal will likely go to a vote at the next Business Board meeting Oct. 25.

Mark your calendars

DON'T FORGET U OF T DAY, the university's annual open house, will be held this Saturday, Oct. 16 on the St. George campus. There will be many activities to challenge the mind, enlighten the soul and entertain. In the spirit of giving, here's your chance to soak some U of T celebrities, in support of the United Way of Greater Toronto. For a full program listing, check the U of T Day Web site at <http://www.uoftday.utoronto.ca>.

The Book Sale The Twenty-Fourth Annual Sale The Friends of the Library, Trinity College

Friday October 15
6 pm – 10 pm
(Admission \$2.00)

Saturday October 16
10 am – 8 pm

Sunday October 17
Noon – 8 pm

Monday October 18
10 am – 9 pm

Tuesday October 19
10 am – 9 pm

(No charge for admission
Saturday through Tuesday)

October 15–19

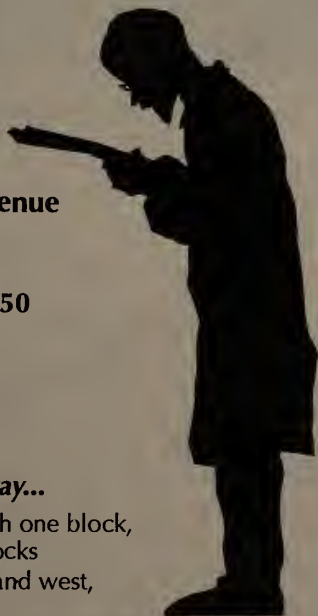
**Trinity College, 6 Hoskin Avenue
upstairs in Seeley Hall**

information 416 – 978 – 6750

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SPECIAL EVENTS Call 978-2452

Cider 'n' Sang at Hart House Farm, Sat. Oct. 16. Bus leaves Hart House at 10:30am. Advance tickets to Thurs. Oct. 14: \$20 with bus, \$17 without. After Oct. 14: \$25. With bus, \$22 without. Tickets available at the Hall Porters' Desk. Families and children welcome. Children's rates available. See ad this issue.

Words and Music - In celebration of Saul Irving Glick's 65th birthday - world premiere of WE ARE CHILDREN JUST THE SAME, the song cycle, SOUTH OF NORTH, based on the poetry of Richard Outram and Seven Tableaux from THE SONG OF SONGS, with Valerie Strén, soprano, Gregory Goldberg, cello, Cecilio Ignatieff, piano, and Marina Doncheva, violin - Sun. Oct. 17 at 3pm in the Great Hall.

"Passport to the Caribbean" featuring music, artisans, and food at the Caribbean, Thurs. Oct. 28 at 11:30am-2pm in the Great Hall. Enter the contest to win a white-water rafting trip to Quebec.

Gallery Club's Wine Seminar Series features a dinner in the Gallery Grill on Nov. 18, with dinner courses accompanied by a selection of wines from the series. Seminar dates are Thursdays, Nov. 18, 25, Dec. 2 and 9. Come to the Membership Services Office for prices and to register.

ART Call 978-8398

The Justino M. Barnicke Gallery - "hai pallai", installation by Stephen Andrews. Meet the artist, Thurs. Oct. 7 at 5pm in the Gallery. Runs to Nov. 4.

Arbor Room - "Celebrating Diversity", on exhibition at masks. Runs to Sat. Oct. 30.

LIBRARY Call 978-5362

Black Moss Press Book Lunch with Bruce Meyer, Wed. Oct. 13 at 7:30pm in the Hart House Library. Free.

MUSIC Call 978-2452 - All concerts are FREE!

Midday Mosaics - Pionist, MiaoMiao Yu, Thurs. Oct. 14 at 12noon in the Music Room.

Worlds of Music Concert - Spirit of Calypso with Roger Gibbs, COBA Drummers and Ma'Banja, Thurs. Oct. 21 at 8:30pm in the Arbor Room. Licensed. No cover.

Jazz at Oscars - The Toronto Jazz Orchestra, Fri. Oct. 15. The Kirk MacDonald Quintet, Fri. Oct. 22, from 8:30pm to 11pm in the Arbor Room. Licensed. No cover.

CLUBS & COMMITTEES - Call 978-2452

Bridge - Drop in to the Reading Room on Tuesdays from 6:30pm to 11pm for Duplicate Bridge and/or Thursdays from 6:30pm to 11pm for instruction and Novice play. Rubber Bridge is played on Thursday nights at 6:30pm. Call 978-8400 for information.

Masters' Swim - The club swims Tuesdays and Thursdays from 2-3pm and Saturdays from 6-8pm. New members may join at any time. Call 978-2447 for fees and registration.

ATHLETICS - CALL 978-2447

Registration for Fall Athletic Classes - Register in person with your current student card.

Membership Office Hours - Mon-Thurs. 9am-7pm. Fri. 9am-5pm.

Athletics Guides and Free Drop-In Fitness Schedules are available for pick up at Hart House or see our website: www.utoronto.ca/harthouse

HART HOUSE

UNIVERSITY OF TORONTO

OPENING DOORS

~ Continued From Page 1 ~

ramp," Simson explains, "we have to create something that preserves the design of the building."

Whether that building be old or new, when a problem is recognized, meetings must be arranged with administrators and faculty to come up with a solution, money has to be found to implement it, blueprints must be drawn up and contracting tenders have to be posted before any construction can begin.

At Hart House, for example, only the main floor is wheelchair accessible and plans for an elevator have been on the drawing board for over two years. With only \$200,000 raised so far — out of a proposed \$1.1 million budget needed to correct all existing problems — it will be some time before this student centre is open to all students.

Two other hot spots on Simson's list are the Faculty of Nursing building and, ironically, the Faculty of Architecture, Landscape, and Design — both completely inaccessible to wheelchairs.

"But the students are realistic," she says. "Every day they face the reality that the world hasn't been designed for their needs so they know a ramp isn't going to suddenly appear in a couple of weeks. But we make sure no one misses out on anything even it means moving an entire class to another room."

An especially disturbing situation concerns a visually and hearing disabled student in a wheelchair who has to make an arduous journey from his classroom to

another building to use the washroom. "It's humiliating and exhausting for him and a frustration for my office," Simson admits, but despite these problems, "the university has made some amazing strides."

She points to the recent, garden-like ramps installed at the School of Graduate Studies and the establishment of the Adaptive Technology Resource Centre at Robarts Library, a world-class centre that develops computer software and hardware for the disabled.

Among the 1200 students registered with the St. George, Mississauga and Scarborough disability offices (a fraction of the actual number of disabled students at U of T), is a notable increase of people living with manic depression, bipolar and obsessive compulsive disorders, schizophrenia and attention deficit disorders. "These numbers are a new, challenging phenomenon for our university," Simson notes.

Looking down the road, she says she'll be happy "if we can remove all the physical barriers

in buildings, have enough alternative educational materials for the visually disabled at hand and have a caring, sensitized university community by 2010."

Working towards that goal, Disability Awareness Day will take place Oct. 13 with a panel discussion on post-secondary educational access for the disabled. It will take place in the Great Hall at Hart House from 2 to 4 p.m.. "The university has set some extremely high standards when it comes to serving our disabled students and staff," says Simson. "And we will meet those standards."



Student Manon Le Paven uses the university's new access van to get around the campus.

JEWEL RANDOLPH

U of T Staff and Faculty:

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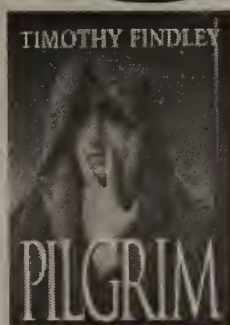
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The U of T Bookstore's annual fall sale

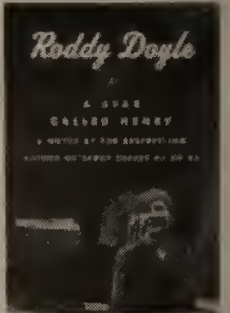
20%

off all regular priced books, clothing, gift items and stationery*

* textbooks, medical, leather jackets and rings exempt.



October 15th, 16th & 17th



Treat yourself to some essential fall reading!

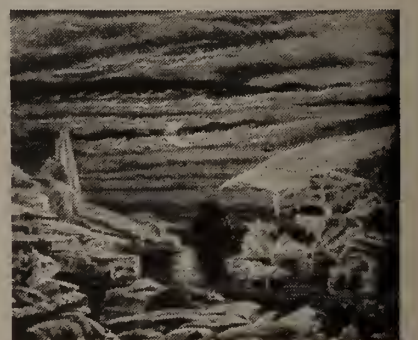
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Two exciting travel and adventure slide shows

Join Baiba and Pat Morrow as they take us on an historic trek around Mount Kangchenjunga, the third highest mountain in the world. They are joined by James Delgado who outlines the history of the search for the Northwest Passage.

Wednesday, Oct. 27th.
7:30pm. Free

Earth Sciences Auditorium, 4 Bancroft St
just off Huron, between Willcocks and Russell St.



U of T Bookstore • 214 College St.

978-7989 for events info • 978-7907 for book info

A TOUCH OF GLASS

A glass-blower's work is both practical and one of a kind

BY SUZANNE SOTO

LONG, THIN AND TUBULAR, WITH rounded-off edges curving softly around three perfectly spherical receptacles, the piece of glass in Fred Leslie's hands could be a delicate musical instrument.

Instead, the device is a viscometer, an intricate "test tube" of sorts that Leslie made himself, one of countless pieces of glass equipment the scientific glass-blower in the department of chemical engineering and applied chemistry has made from scratch during his 32 years at U of T.

"This is my work, I make glass apparatus for the undergraduate laboratories and for graduate students to be used in research and I conduct repairs," explains Leslie, 64.

No, he doesn't manufacture beakers, which can be bought by the dozen from any glass catalogue, he adds. He takes brittle glass tubing and using fire from special burners, sculpts it into the one- or maybe two-of-a-kind pieces that can't be mail ordered, often working from rough sketches and designs brought to him by the students themselves.

"It's really a combination of art and science," he explains. "There is a lot of visual measuring and symmetry and the object of the work is to finish a piece without it breaking, which is where the physics aspects of it comes in. It's challenging but very satisfying and I still greatly enjoy it."

Leslie has worked alone in the same two-room glass-blowing shop on the second floor of the Wallberg Building



since being recruited by the previous scientific glass-blower in 1967. At that time he had spent 14 years as a laboratory technician with the then Lever Brothers company, where he analysed products such as soap, detergent and margarine. Having learned glass-blowing in technical school, Leslie says he often built the glass equipment he needed for his experiments at Lever Brothers, a skill he brought to his U of T job.

During his three decades here, Leslie's job has remained virtually the same but he has seen both a change in the type of work required of him and a gradual decrease in its amount.

"I remember having piles and piles of pieces for repair and

I used to spend my summers making parts that were needed for the rest of the academic year."

Then students began to conduct experiments in groups instead of individually and to rely more on computer simulation than on actual wet chemistry. The reduction in his tasks, combined with budgetary cuts during the early 1990s, led to Leslie's work being privatized in 1994, mirroring a general North American trend towards less reliance on glass-blowing.

"There used to be chemical and oil companies with resident glass-blowers but the demands there have decreased and the companies have dispensed with their glass-blowing shops. They now have private glass-blowers doing work on subcontracts." Rather than working full days, Leslie now spends between five and six hours in the shop every day, making the necessary repairs and building things

for students. Although nearing retirement age, he says he has no immediate plans to stop working in the glass lab.

"There is still a definite need for my work here and while I still enjoy it, and enjoy the students, I'll keep coming in."

To commemorate the 50th anniversary of the Wallberg Building, Leslie has put together a historical display on glass-blowing in his shop, located in Room 227, 200 College St. The display, open to the public during U of T Day Oct. 16, will feature scientific glassware, glass-blowing burners and tools and glassware catalogues spanning the last half century.

JEWEL RANDOLPH

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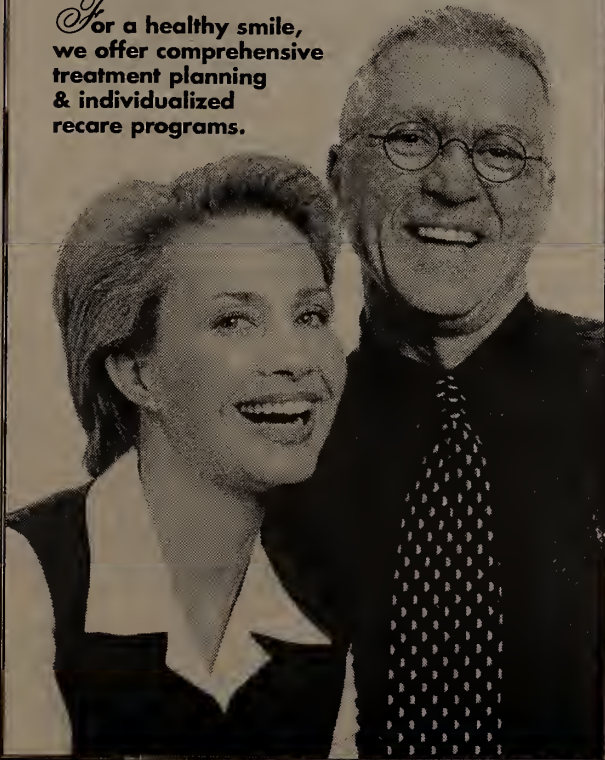
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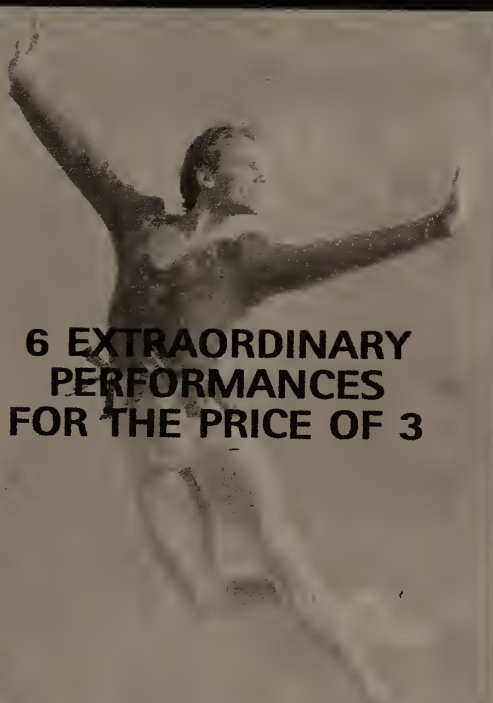
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Friday, November 26, 1999, 7:30 pm

ONEGIN

Set to the poignant strains of Tchaikovsky,
Onegin is one of ballet's greatest love stories
Friday, February 18, 2000, 7:30 pm

JEWELS

A company premiere by George Balanchine,
the "father of American Ballet"
Friday, February 25, 2000, 7:30 pm

CINDERELLA

An enchanting ballet with breathtaking sets
& costumes set to the lyrical music of Prokofiev
Friday, May 5, 2000, 7:30 pm

DÉSIR plus Les Sylphides & a world premiere by Edouard Lock

Désir was hailed by the New York Times
as the "one ballet not to miss this season"
Friday, May 12, 2000, 7:30 pm

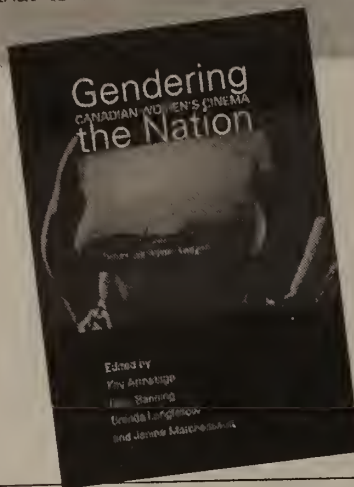
GISELLE

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perfectly danced" Dance International
Friday, May 26, 2000, 7:30 pm

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The first Exhibition in Canada of Manuscripts and other Treasures from the Cradle of the Benedictine Order in the

Library, Pontifical Institute of Mediaeval Studies, 113 St. Joseph Street
Monday, 25 October through Thursday, 28 October, 10 a.m. – 4 p.m.

TREASURES OF MONTECASSINO



Formal Opening and Reception:

Don Foustino Avoglian, O.S.B., Archivist and Prior, Abbazia di Montecassino,
Monday, 25 October, 4 p.m.

Colloquium on the Manuscripts of Montecassino:

Senior and Research Fellows of the Pontifical Institute and the
Monumento Liturgica Beneventano

Virginio Brown, Roger Reynolds, Richard Gyug, and Charles Hilken.
Tuesday, 26 October, 3-5 p.m.

Library, Pontifical Institute of Mediaeval Studies, 113 St. Joseph Street

The Exhibition and Colloquium are associated with the Awarding of Honorary Degrees to the distinguished Monastic Historians:

Foustino Avoglian, O.S.B., Archivist and Prior, Abbazia di Montecassino
Giles Constable, Institute for Advanced Study, Princeton
at the

Convocation of the Pontifical Institute of Mediaeval Studies,
Saturday, 23 October, 2 p.m.; St. Basil's Church, Bay and St. Joseph Streets, Toronto

UTM OPENINGS

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in a celebration at the University of Toronto at
Mississauga on October 26, 1999
when UTM officially opens two new buildings.*

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with the official opening of the
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Student Centre celebration at
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Universities Council Seeks Financial Plan

~ Continued From Page 1 ~

"We need a continuing close partnership of the provincial government and the universities to meet this challenge," Prichard added. "We also call on the federal government to increase its transfers to post-secondary education. We are working closely with the Ministry of Training, Colleges and Universities and are encouraged by the enthusiasm and commitment shown by the minister. But the clock is ticking. We are simply full to the brim and we cannot go further without a commitment to new public investment."

The enrolment bulge was outlined last March in a COU-commissioned study that projected an increase of as many as 90,000 students over the next decade. Contributing to the surge are the echo baby boom, the double-cohort effect resulting from end of Grade 13 and greater reliance on post-secondary education because of changes in the workplace.

According to Davenport the effects are already being felt in Ontario, with this year's first-year enrolment increase of 6.6 per cent — the highest increase in 10 years.

"The large increase this fall has resulted in a lot of scrambling to ensure that all students can be

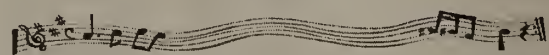
accommodated and considerable anxiety about maintaining a quality educational experience," Davenport said.

"For example, how can we reconcile an increase in student demand with a continuing drop in the number of full-time faculty at Ontario universities? These two factors combine to increase class size and prove detrimental to the quality of the educational experience. My colleagues and I are growing increasingly concerned in the absence of an explicit financial commitment by the government of Ontario to deal with this enormous challenge. Our message is simple: the universities of Ontario are full."

Clark outlined several initiatives under way by Ontario universities to help address priority areas. A study led by David Smith, former principal of Queen's University, will assess quality indicators currently being used by Ontario universities and compare them with indicators in various international jurisdictions. A second study will focus on the labour market for university faculty in an effort to ensure Ontario universities hold their own in an increasingly competitive recruitment market. The results of both studies are expected to be made public early next year.

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SUNDAY
OCTOBER 17



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in Terezin, Czechoslovakia, from the
award-winning book which tells their story,
with commentary from

Srul Irving Glick, George Brady and Paul Wilson.

&

Selections from the song cycle

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based on the poetry of Richard Outram.

&

Seven Tableaux from

The Song of Songs.

~

Valerie Sirén - soprano

Gregory Goldberg - cello

Cecilia Ignatieff - piano

Marina Dancheva - violin

THE GREAT HALL
3:00 P.M.

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Media Guide Grows

BY STEVEN DE SOUSA

IT'S BIG, IT'S BLUE AND IT'S back.

This week the department of public affairs began distributing the Blue Book — a media guide to expertise at U of T — to over 1,000 journalists in Canada and abroad.

With over 1,600 experts listed, this year's Blue Book is the biggest ever, reflecting the growing tide of U of T researchers being called upon for their expertise by the news media. This total represents a 25 per cent increase in the number of experts listed in the previous edition and a 400 per cent increase in size from the first Blue Book published in 1988.

"The Blue Book is a quick and handy resource when we're looking for somebody on a given topic on short notice," said Marichka Melnyk, an associate producer at CBC Radio. "It's the first thing we turn to and when the new ones come in, everybody is all over them."

Last month public affairs received over 500 calls from reporters, many of whom were seeking expert opinion on topics ranging from provincial elections and the collapse of Eaton's to HIV and stem cell transplantation. The Blue Book gives journalists direct access to researchers in their offices

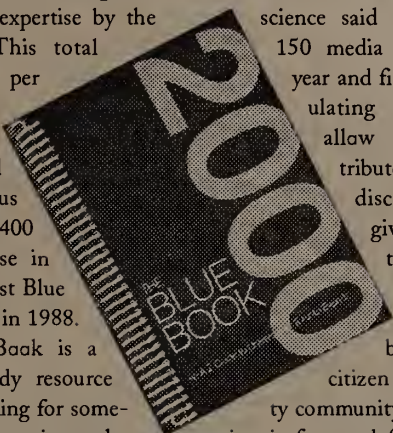
or at home — over half of the experts listed have also made their home numbers available.

"Every time researchers agree to do media interviews, they're helping the public better understand what we do and how well we do it," said Susan Bloch-Nevitte, director of public affairs.

Some faculty members believe strongly that media interviews are just part of the job. Professor Nelson Wiseman of political science said he does about 150 media interviews per year and finds them stimulating because they allow him to contribute to the public discourse on a given political topic.

"Doing media is part of being a good citizen of the university community but my obligation is first and foremost to my students," he noted, adding that he has never cancelled or postponed a lecture for a media interview. "If they ask me to postpone the class, I ask them if they could postpone the show."

The Blue Book is updated and distributed to journalists every two years. Faculty and researchers wishing to participate should visit the Blue Book On Line at <http://www.library.utoronto.ca/bluebook> where they can fill out and submit a form electronically.



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10 am to 5 pm

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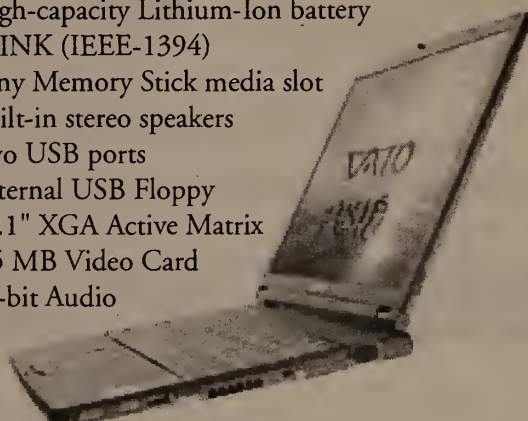
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SATURDAY, OCTOBER 16TH, 1999
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11:00 ALICE COOLEY, RAY LUTU, CLYDE JENNINGS

11:30 PROF. JOHN REIBETANZ

12:00 MS. DJANET SEARS

12:30 PROF. ANNE LANCASHIRE

1:00 MS. ROO BORSON

1:30 DR. LYNN CROSBIE

2:00 PROF. JILL MATUS

2:30 PROF. SHELDON ZITNER

3:00 PROF. GEORGE ELLIOTT CLARKE

3:30 MR. MORDECAI RICHLER

Please stop by the English Display on the patio of 100 St George St, Faculty of Arts & Science, for free tickets while supplies last. The University of Toronto Bookstore will have the authors' books for sale.
MC: PROF. SAM SOLECKI

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12:00 noon ~ 1:00 pm Using Databases to Create Powerful

Web-Based Applications

1:30 pm ~ 2:30 pm Information Seeking on the Web:

An Integrated Model

3:00 pm ~ 4:00 pm Data Mining Basics

Full details of the presentations are available at www.utoronto.ca/cat

Wed., October 20th, 1999

10:30 a.m. ~ 4:00 p.m.

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30 Gairdner Foundation Awardees - 11 Nobel Laureates

University of Toronto Campus - Wednesday, October 20 - Friday, October 22, 1999

DAY 1: Wednesday October 20, 1999

Macleod Auditorium MSB, University of Toronto 09:00 am-17:00 pm

0900-0930

Opening of The Gairdner Foundation 40th Anniversary International Symposium

John H. Dirks	President, The Gairdner Foundation
The Honorable Elizabeth Witmer	Minister of Health, Province of Ontario
Mayor Mel Lastman	City of Toronto
J. Robert S. Prichard	President, University of Toronto
David Naylor	Dean, Faculty of Medicine, University of Toronto

1999 Gairdner Foundation Awardees

Chair: Fraser Mustard, Gairdner Foundation Award 1967
President, The Founders' Network

Homeostasis Peter Macklem, Gairdner Foundation Wightman Award 1999
0930-1000 Professor, Department of Medicine, McGill University
Scientific Director, Respiratory Health
Inspiraplex — Montreal Chest Institute, Montreal, Canada
Wisdom of the body
Introduced by Michael Ward
Associate Professor of Medicine, University of Toronto

Programmed Cell Death

1000-1030 Robert Horvitz, Gairdner Foundation Award 1999
Professor of Biology and Howard Hughes Medical Institute Investigator
Massachusetts Institute of Technology, Cambridge, USA
Genetic control of programmed cell death
Introduced by Tak Mak, Gairdner Foundation Award 1989
University Professor, University of Toronto

1030-1100

Break

Ubiquitin

Chair: Cecil Yip
Vice Dean Research, Faculty of Medicine, University of Toronto

1100-1130

Andrew Wyllie, Gairdner Foundation Award 1999
Head, Department of Pathology
Cambridge University, Cambridge, UK
Apoptosis and carcinogenesis
Introduced by Linda Penn
Senior Scientist & Associate Professor
Ontario Cancer Institute & University of Toronto

1130-1200

Avram Herskho, Gairdner Foundation Award 1999
Professor of Biochemistry
The B. Rappaport Faculty of Medicine
Technion-Israel Institute of Technology, Haifa, Israel
Lessons from the discovery of the ubiquitin system
Introduced by Michael Tyers
Senior Scientist, Samuel Lunenfeld Research Institute, Mount Sinai Hospital

1200-1230

Alexander Varshavsky, Gairdner Foundation Award 1999
Howard and Gwen Laurie Smits Professor of Cell Biology
California Institute of Technology, Pasadena, USA
How and why cells destroy their own proteins
Introduced by Brenda Andrews
Chair, Department of Medical Genetics and Microbiology, University of Toronto

1230-1330

Lunch Break

The Cell & Signalling

Co-Chairs Louis Siminovitch, Gairdner Foundation Wightman Award 1981
Director Emeritus, Samuel Lunenfeld Research Institute
Tony Hunter, Gairdner Foundation Award 1994
Professor, The Salk Institute

1330-1400

Sir Michael Berridge, Gairdner Foundation Award 1988
Laboratory of Molecular Signalling
The Babraham Institute, Cambridge, UK
Elementary and global aspects of calcium signalling

1400-1430

Anthony Pawson, Gairdner Foundation Award 1994
Senior Scientist, Samuel Lunenfeld Research Institute, Mount Sinai Hospital

Professor, Department of Molecular and Medical Genetics
University of Toronto, Toronto, Canada

Protein modules and signalling networks

1430-1500

Randy Schekman, Gairdner Foundation Award 1996
Professor of Biochemistry, Department of Molecular and Cell Biology
University of California - Berkeley, Berkeley, USA

Quality control and protein sorting in the secretory pathway

1500-1530

Break

Co-Chairs:

Robert Phillips, Executive Director, National Cancer Institute of Canada
David MacLennan, Gairdner Foundation Award 1991
J.W. Biles Professor of Medical Research
University Professor, University of Toronto

1530-1600

Robert Lefkowitz, Gairdner Foundation Award 1988
James B. Duke Professor of Medicine
Howard Hughes Medical Institute Research Laboratories
Duke University Medical Center, Durham, USA

Heptahelical receptors and their signalling mechanisms

1600-1630

Donald Metcalf, Gairdner Foundation Award 1994
Professor Emeritus, The Walter and Eliza Hall Institute of
Medical Research & The Royal Melbourne Hospital,
Melbourne, Australia

SOCS1 — A versatile intracellular modulator of cytokine signalling

1630-1700

Janet Rowley, Gairdner Foundation Award 1996
Blum-Riese Distinguished Service Professor of Medicine
Molecular Genetics & Cell Biology
University of Chicago, Chicago, USA

Cancer cytogenetics: role in the next millennium

1700

Adjournment

1900

Evening Reception by Invitation at The Art Gallery of Ontario

DAY 2: Thursday October 21, 1999

Convocation Hall, University of Toronto —08:30am-17:00pm

0830-0840

Welcome
Heather Munroe-Blum, Vice President
Research & International Relations, University of Toronto

The Gene

Co-Chairs:

Walter Gilbert, Gairdner Foundation Award 1979, Nobel Laureate 1980
Carl M. Loeb, University Professor, Harvard University
James Friesen, Chair, Banting and Best Research Institute, University of Toronto

0840-0920

Phillip Sharp, Gairdner Foundation Award 1986, Nobel Laureate 1993
Institute Professor, Center for Cancer Research
Massachusetts Institute of Technology, Cambridge, USA
The biology of gene structure

0920-1000

Leland Hartwell, Gairdner Foundation Award 1992
President
Head of Cell Biology
Fred Hutchinson Cancer Research Center, Seattle, USA
Yeast and cancer

1000-1020

Break

The Brain

Co-Chairs:

Donald Stuss, Vice President Research,
The Baycrest Centre for Geriatric Care
Albert Aguayo, Gairdner Foundation Award 1988
Director, Centre for Research in Neuroscience, McGill University

1020-1100

Bert Sakmann, Gairdner Foundation Award 1989, Nobel Laureate 1992
Max Planck Institut
Fur Medizinische Forschung
Heidelberg, Federal Republic of Germany
Neuroreceptors and brain plasticity

1100-1140

Stanley Prusiner, Gairdner Foundation Award 1993, Nobel Laureate 1997
Professor of Neurology and Biochemistry
University of California
San Francisco School of Medicine, San Francisco, USA
Prions and dementia

Metabolic Regulation

Co-Chairs: *Marlene Rabinovitch, Director, Cardiovascular Research, The Hospital for Sick Children*
Mark Poznansky, President & Scientific Director, The John P. Robarts Research Institute

1140-1220 Michael Brown, Gairdner Foundation Award 1981, Nobel Laureate 1985
Director, Jonsson Center for Molecular Genetics
Regental Professor of The University of Texas
Southwestern Medical Center at Dallas, Dallas, USA
A proteolytic pathway that controls cholesterol in membranes, cells and blood

1220-1320 **Lunch Break**

1320-1400 Bengt Samuelsson, Gairdner Foundation Award 1981, Nobel Laureate 1982
Chairman of the Board, The Nobel Foundation, Stockholm, Sweden
Recent progress in prostaglandin and leukotriene research

Immune System

Co-Chairs: *Phil Gold, Gairdner Foundation Award 1978*
Executive Director, Clinical Research Centre of The Montreal General Hospital Research Institute
Brian Barber, Vice President Immunology, Pasteur Mérieux Connaught

1400-1440 Luc Montagnier, Gairdner Foundation Award 1987
AIDS and Retrovirus Department, Institut Pasteur, Paris, France
& Queen's University of New York
AIDS 2000: prospects for new treatments and vaccines

1440-1520 Tak Mak, Gairdner Foundation Award 1989
University Professor, University of Toronto
Departments of Medical Biophysics & Immunology
Senior Staff Scientist, Ontario Cancer Institute/Princess Margaret Hospital
Vice President/Director, AMGEN Institute, Toronto, Canada
Genetic dissection of an immune response

1520-1540 **Break**

Co-Chairs: *Christopher Paige, Vice-President Research, University Health Network*
Michael Julius, Professor & Chair
Department of Immunology, University of Toronto

1540-1620 Peter Doherty, Gairdner Foundation Award 1986, Nobel Laureate 1996
Chairman, Department of Immunology
St. Jude Children's Research Hospital, Memphis, USA
Immunity in respiratory infection

1620-1700 Rolf Zinkernagel, Gairdner Foundation Award 1986, Nobel Laureate 1996
Bruce Lecturer of The Wellesley Foundation
Department of Pathology, Institute of Experimental Immunology
University Hospital, Zurich, Switzerland
On immunity against tumors

1900 **Awards Dinner By Invitation at The Four Seasons Hotel**
Dinner Sponsor: Sun Life

DAY 3: Friday October 22, 1999 Convocation Hall, University of Toronto — 08:30am-17:00pm

Public Forum: Science and Society

0830-0840 Welcome & Introduction
John H. Dirks, MD, President, The Gairdner Foundation
J. Robert S. Prichard
President, University of Toronto
The Honorable Allan Rock
Minister of Health Canada

Co-Chairs: *Henry Friesen, Gairdner Foundation Award 1977*
President, Medical Research Council of Canada
Michael Smith, Gairdner Foundation Award 1986, Nobel Laureate 1993
Peter Wall Distinguished Professor of Biotechnology & University Killam Professor, University of British Columbia

0840-0920 Harold Varmus, Gairdner Foundation Award 1984, Nobel Laureate 1989
Director
National Institutes of Health, Bethesda, USA
New themes in medical science

0920-1000 Bruce Alberts, Gairdner Foundation Award 1995
President
National Academy of Science, Washington, USA
The need for science education for everyone

1000-1030 **Break**

Co-Chairs: *Sir Keith Peters, Regius Professor of Physic, Cambridge, UK*
Lap-Chee Tsui, Gairdner Foundation Award 1989
Geneticist-in-Chief, Head Genomic Biology Program
Research Institute, The Hospital for Sick Children

1030-1110 Sydney Brenner, Gairdner Foundation Award 1978, 1991
President & Director of Science
The Molecular Sciences Institute Inc., Berkeley, USA
Computing organisms from their genome

1110-1150 Joseph Goldstein, Gairdner Foundation Award 1981, Nobel Laureate 1985
Chairman
Department of Molecular Genetics
Southwestern Medical Center at Dallas, Dallas, USA
The impact of biotechnology on medicine: from surreal to the real

1150-1230 Corey Goodman, Gairdner Foundation Award 1997
Professor of Neurobiology & Genetics
Investigator, Howard Hughes Medical Institute
Department of Molecular & Cell Biology
University of California, Berkeley, USA
How the brain is wired

1230-1330 **Lunch**

Cancer in the Next Decade

Chair *John Evans, Gairdner Foundation Wightman Award 1992*
Chairman, TorStar Corp.
Alan Bernstein, Director, Samuel Lunenfeld Research Institute, Mount Sinai Hospital

1330-1410 Judah Folkman, Gairdner Foundation Award 1991
Julia Dyckman Andrus Professor of Pediatric Surgery
Director, Surgical Research Laboratory, Children's Hospital
Professor of Cell Biology
Harvard Medical School, Boston, USA
Antiangiogenic therapy of cancer

1410-1450 Robert Weinberg, Gairdner Foundation Award 1992
Daniel K. Ludwig and American Cancer Society Professor
Department of Cell Biology
Massachusetts Institute of Technology, Cambridge, USA
Genetic mechanisms that create the human cancer cell

1450-1530 Elizabeth Blackburn, Gairdner Foundation Award 1998
Professor and Chair
Department of Microbiology and Immunology
University of California, San Francisco, USA
Telomeres, life and cancer

1530-1550 **Break**

Co-Chairs: *Alan Hudson, President & CEO, The University Health Network*
Ken Shumak, President & CEO, Cancer Care Ontario

1550-1620 Richard Peto, Gairdner Foundation Award 1992
Professor, ICRF Cancer Studies Unit
University of Oxford, Radcliffe Infirmary, Oxford, UK
Worldwide cancer control strategies

1620-1700 Charles Hollenberg, Gairdner Foundation Wightman Award 1999
Professor of Medicine Emeritus, University of Toronto
Senior Consultant, Cancer Care Ontario, Toronto, Canada
Delivery of cancer care in the next decade
Introduced by Eliot Phillipson,
Chair, Department of Medicine, University of Toronto

Close of Symposium

John H. Dirks, MD
President, The Gairdner Foundation

FOR INFORMATION AND TICKETS CONTACT:

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For more information on The Gairdner Foundation
check our website at: www.gairdner.org

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HANNAH ARENDT OR LIFE IS A NARRATIVE

TUESDAY, OCTOBER 12

ARENDT AND ARISTOTLE

WEDNESDAY, OCTOBER 13

NARRATING THE TWENTIETH CENTURY

THURSDAY, OCTOBER 14

<WHO> AND THE BODY

FRIDAY, OCTOBER 15

TOWARDS A POLITICAL PHILOSOPHY

4.30 p.m., Room 140, University College, 15 King's College Circle, University of Toronto

Members of the staff, students and the public are cordially invited.

The Alexander Lectures are supported through the generosity of the Alexander Lectures Fund, the University College Alumni Association and bequests from the Jean Stewart Coupe and Helen S. Stewart Estates.

Edith Bruce Lecture on Immortality

LIFE AFTER DEATH: For and Against

Professor Hugo Meynell
University of Calgary

Tuesday, October 19, 1999
7:00 p.m.

Hart House Theatre
7 Hart House Circle
University of Toronto

Admission Free

This lecture series is organized by the
Department of Philosophy
University of Toronto

High Brain Centres Teach Lower Brain to Adapt to Injury: Study

BY STEVEN DE SOUSA

RESEARCHERS AT THE UNIVERSITY of Toronto have discovered that higher brain centres act as "training wheels" for the lower brain by enabling it to adapt to injury.

In a paper published in the October edition of the *Journal of Neuroscience*, scientists examined the role played by the cerebral cortex — the highest brain centre — in controlling changes commonly observed at lower levels of the nervous system.

"While it has been obvious to scientists for some time that sensory information must flow up each level of the brain, it has always been a puzzle why there is such heavy feedback from higher levels back down to the lower areas of the brain," said lead author Professor Jonathan Dostrovsky of physiology.

Lower brain centres need input from the cerebral cortex initially to adapt to damaged sensory pathways. Once the lower brain centres have been given enough time to adapt to the damage, however, the cerebral cortex is no longer needed to maintain this new reorganized state. In this sense, Dostrovsky says, the cerebral cortex acts much

like training wheels for lower brain centres such as the thalamus.

"This sheds new light on the role of the cortex on the thalamus and it could possibly lead to new ways of dealing with strokes or other neurological conditions that involve loss of sensory input," said Jayson Parker, who conducted this research as part of his PhD thesis at U of T. "These results are still preliminary, but very promising."

Dostrovsky and Parker simulated injury by removing sensory input to the thalamus from the hind limb of laboratory rats, causing the cells of the thalamus to change their properties. This is known as plasticity, a process by which cells modify their properties in response to the removal of sensory input from another part of the body.

"The cortex appears to be necessary to enable these reorganizational changes to take place," Dostrovsky said. "But once it has occurred the cortex is no longer needed for maintaining the new reorganization."

Dostrovsky's work involves both research and clinical intervention for the management of chronic pain and movement disorders in humans.

1999 Fall Series Free Science Lectures Sundays at 3 p.m.

Macleod Auditorium, Medical Sciences Building, 1 King's College Circle

Oct. 24	The RCI: Achievement and change through 150 years	Conrad Heidenreich Dept. of Geography York University; Past President RCI
Oct. 31	Global Warming: The Science and the Risks	Danny Harvey Dept. of Geography University of Toronto
Nov. 7	What makes a chemical a pollutant?	Scott A. Mabury Dept. of Chemistry University of Toronto
Nov. 14	Brain development: Neuronal sculpting by the physical and social environment	Barrie J. Frost Depts. Psychology Biology and Physiology Queen's University
Nov. 21	Fog and fog collection: Exploring this water resource	Robert S. Schemenauer Emeritus Research Scientist Environment Canada
Nov. 28	Fine fly dining: Will that be for here or to go?	Marla B. Sokolowski Dept. of Zoology University of Toronto
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Dr. Paul Walker, Chairman of Critical Care Search Committee,
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Bell Wing 1-639, 585 University Ave., Toronto, Ontario M5G 2C4.



University Health Network

Toronto General Hospital Toronto Western Hospital Princess Margaret Hospital

Gift Creates New Chair

BY JILL RUTHERFORD

DUSAN MIKLAS DOESN'T HAVE a background in computing science but if he's learned one thing from his successful career as a builder, developer and engineer, it is that high technology has had a dramatic impact on almost all areas of life.

"Clearly there is a need for more graduates in all disciplines with expertise in information technology," says Miklas, president of Toronto's Invar Building Corporation. "I think this is tremendously important because

endowment of \$2 million to support the chair and help create a new assistant professor position. The chair holder will focus on the feasibility of computer designs and applications including electronic transmission of images, development of computer interfaces — such as voice and handwriting recognition — and of microcircuitry on a much smaller scale than is presently possible.

"The Faculty of Applied Science and Engineering is where I got my start and the knowledge I acquired there helped me to accomplish

this is our future." **the campaign** many of my own career goals,"

Now, thanks to a \$1 million gift from Miklas, computer design at U of T took a step into the future with the establishment of the Dusan and Anne Miklas Chair in Engineering Design in the department of electrical and computer engineering.

"Today's computer engineering students are being called upon to be innovators," said Professor Michael Charles, dean of the Faculty of Applied Science and Engineering. "As a result of Mr. Miklas' generous gift, this chair in engineering design will act as a catalyst for the development of new hardware and software and will help our students anticipate and respond to technological changes of today and tomorrow."

Miklas' gift was matched by the university, resulting in a total

Miklas said. "Therefore, I feel very fortunate to be able to give back to the faculty so future generations of students could benefit as I have done."

Miklas, who graduated from U of T in 1953 with a civil engineering degree, founded Invar Development Corp. in the late 1960s. The company is well known for its golf courses, commercial buildings and residential communities in the southern Ontario region. As a philanthropist, Miklas has supported the Sunnybrook Hospital Foundation, several other Toronto-area hospitals, the Providence Centre, the Toronto Operetta Theatre and has been a member of the dean's advisory board of the Faculty of Applied Science and Engineering.

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12:00 NOON SUSAN BLOCH-HEVITTE
DIRECTOR, PUBLIC AFFAIRS
1:00 P.M. PROFESSOR DOUG PEROM
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2:00 P.M. PROFESSOR TOM COYLE
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3:00 P.M. PROFESSOR PHIL BYER
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Volunteers will undergo detailed dental examinations and the collection of mouth rinse samples. Free scaling treatments are provided every 3 to 4 months. Participants may need to attend appointments at the Faculty of Dentistry approximately once a month for up to a year.

For information on how to enroll, telephone the study coordinator, Martha: **416-979-4758 Monday-Friday, 8 am to 4 pm** (or leave message after hours)



SGS Council By-Election Fall 1999

Nominations are now Open

What does SGS Council do?

SGS Council is primarily responsible for establishing policies and procedures concerning the administration and quality of graduate studies at the University of Toronto.

Nomination forms are available from the School of Graduate Studies.

1 Seat Vacant

Registered graduate student in Division II (Social Sciences)

Candidates must be a registered graduate student in Division II, Social Sciences.

Term begins Fall 1999, and will be for one or two years.

SGS Council considers:

- changes in SGS policy
- new degree proposals
- new program proposals
- changes in admission requirements
- changes in program regulations
- fellowships and awards policy
- reports of ad hoc committees
- review reports of centres/institutes
- other matters as appropriate

For more information please contact:

Edith Fraser/Iva Berlekovic School of Graduate Studies, 65 St. George Street 978-5986/978-2295

Nominations Close at 5:00 p.m. October 15th, 1999



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Joe Fletcher, Department of Political Science,
University of Toronto

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James Stafford, Department of Public Health Services,
University of Toronto

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Tuesday, October 19, 1999
8:00 p.m., Meeting Place

University of Toronto at Scarborough
1265 Military Trail at Ellesmere Road, east of Morningside
south of the 401, west of Meadowvale
Parking is \$5.00



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A MEMORIAL CEREMONY FOR
PROFESSOR DANYLO HUSAR STRUK

(April 5, 1940 - June 19, 1999)

Sunday, October 24, 1999, 6:00 p.m.
Victoria College Chapel, Victoria College Building
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IN MEMORIAM

Goudge Changed the Face of Philosophy Department

PROFESSOR EMERITUS THOMAS Goudge, chair of the philosophy department from 1963 to 1969, died in Toronto June 20 of Alzheimer's disease at the age of 89.

Born in Halifax, N.S., in 1910 Goudge attended Dalhousie University, receiving his BA in 1931 and his MA in 1932. He earned his PhD from the University of Toronto in 1937 and after a year at Queen's University, returned to U of T as a lecturer in philosophy in 1938. With the exception of two years' service in the Canadian Navy during the Second World War, Goudge continued to teach here until his retirement in 1976.

When Goudge assumed the position as chair of the department in 1963 a period of great expansion in the university and in North America as a whole was under way. At U of T two new colleges, Erindale and Scarborough, were created and the central campus expanded to at least twice its size. As a result many academic appointments had to be made and during his six years as chair he hired 34 new professors to permanent



positions, considered a record in the world of academic philosophy. Because most of his appointees were young, "he effectively determined the character of the department into the next century," Professor Mark Thornton, chair of philosophy, wrote in the memorial resolution presented to the faculty council.

Those six years were also characterized by great change within the university and the department itself. By the time he left office in 1969 he had steered the department from the autocracy practised by his predecessor Fulton Anderson

to what was probably the most democratically governed department in the Faculty of Arts and Science, Thornton said.

Professor Emeritus John Slater, a longtime friend and colleague, recalled: "When I succeeded him as chairman in 1969, the department functioned as a group with a chairman and not as a one-man show. To have effected such a change in six years shows a certain greatness of character."

As well as being an effective administrator, Goudge was also a dedicated scholar. His book *The Thought of C.S. Pierce*, published in 1950, continues to be considered an important commentary on Pierce's philosophy and *The Ascent of Life*, published in 1961, was awarded the Governor General's Award for academic non-fiction for that year. An active promoter of the profession, Goudge was a founding member and later president (1958 and 1959) of the Charles S. Peirce Society and was one of the founding members of the Canadian Philosophical Association, serving on its board for a number of years and as its president in 1964-65.

Cider 'n' Song

Hart House Farm Saturday, October 16, 1999

ACTIVITIES: Making cider (bring a container to take some home) • Kite Flying • Hiking in fall leaves • Musical Entertainment • Sauna • Baseball • Soccer.

MEALS: Lunch upon arrival
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TRANSPORTATION: Buses leave Hart House at 10:30 a.m. Expected departure from the Farm at 7:00 p.m.

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Department of Philosophy, University of Toronto

A Meeting to Celebrate the Life of Thomas Goudge
2:00 p.m., Saturday, October 30th, 1999
East Hall, University College
Reception to follow the formal meeting
All are welcome

University of Toronto
Andrea and Charles Bronfman Lectures
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**"The Arab-Israeli Conflict in the 1970s:
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Kenneth Stein
Emory University



**Monday, October 18, 1999
4:00 p.m. - 6:00 p.m.
Sidney Smith Hall, Room 3050**

EVENTS



LECTURES

South Africa's Truth and Reconciliation Commission.

TUESDAY, OCTOBER 12
Justice Albert Sachs, South African Constitutional Court. Bennett Lecture Hall, Flavelle House, 78 Queen's Park. 1 p.m. *Law*

Arendt and Aristotle.

TUESDAY, OCTOBER 12
Prof. Julia Kristeva, Université Paris 7 — Denis Diderot; first of four 1999 Alexander lectures on Hannah Arendt or Life Is a Narrative. 140 University College. 4:30 p.m.

Narrating the 20th Century.

WEDNESDAY, OCTOBER 13
Prof. Julia Kristeva, Université Paris 7 — Denis Diderot; second of four 1999 Alexander lectures on Hannah Arendt or Life Is a Narrative. 140 University College. 4:30 p.m.

Problems of Urban Design in the Forum at Pompeii.

WEDNESDAY, OCTOBER 13
Prof. John Dobbins, University of Virginia; Ernest R. Graham lecture in ancient architecture. Lecture Theatre, Royal Ontario Museum. 5:15 p.m. *Archeological Institute of America, Toronto Society*

Adventures of Utopia: Campanella and Bacon.

THURSDAY, OCTOBER 14
Prof. Giuseppe Mazzotta, Yale University; 1999 Emilio Goggio visiting professor, second of three lectures on Constructing Worlds: Renaissance Experiments. Alumni Hall, Victoria College. 4 p.m.

Who and the Body.

THURSDAY, OCTOBER 14
Prof. Julia Kristeva, Université Paris 7 — Denis Diderot; third of four 1999 Alexander lectures on Hannah Arendt or Life Is a Narrative. 140 University College. 4:30 p.m.

Gendering Transnationalism: Citizenship Issues for Recent Asian Women Immigrants.

FRIDAY, OCTOBER 15
Prof. Audrey Kobayashi, Queen's University. 163 University College. 10 a.m. to noon. *Dr. David Chu Program in Asia-Pacific Studies*

Towards a Political Philosophy.

FRIDAY, OCTOBER 15
Prof. Julia Kristeva, Université Paris 7 — Denis Diderot; final 1999 Alexander lecture on Hannah Arendt or Life Is a Narrative. 140 University College. 4:30 p.m.

Poland — 1939-1999.

MONDAY, OCTOBER 18
Wladyslaw Bartoszewski, chair of the foreign affairs and European integration committee of the Polish senate. Auditorium, OISE/UT, 252 Bloor St. W. 7 p.m. *Russian & East European Studies*

Place and Memory: Guy Debord and Constant's New Babylon.

MONDAY, OCTOBER 18
Prof. Michael Stone-Richards, Northwestern University, Evanston, Ill. 230 College St. 7 p.m. *Architecture, Landscape & Design*

Buddhist Art of China.

MONDAY, AUGUST 18
David Waterhouse, East Asian studies; Journeys to Sacred Buddhist Landscapes series. 241 Gerald Larkin Building, 15 Devonshire Place. 7:30 to 9:30 p.m. *Trinity Divinity*

La disparition du sujet: la peinture modèle de la littérature?

DELACROIX, COURBET.
TUESDAY, OCTOBER 19
Prof. Isabelle Daunais, Université Laval. Sablé Centre for 19th-Century French Studies, Kelly Library, St. Michael's College. 10:10 a.m. RSVP: 926-2314.

Life After Death: For and Against.

TUESDAY, OCTOBER 19
Prof. Hugo Meynell, University of Calgary; Edith Bruce lecture on immortality. Hart House Theatre. 7 p.m. *Philosophy*

The Sustaining Democracy: Finding the Real Bottom Line.

TUESDAY, OCTOBER 19
Roberta Jamieson, Ontario ombudsman; Watts memorial lecture. Meeting Place, U of T at Scarborough. 8 p.m.

Hollyweirds: Forensic Science on the Silver Screen.

TUESDAY, OCTOBER 19
Prof. James Starrs, George Washington University; 1999 Snider visiting lecturer. 2072 South Building, U of T at Mississauga. 8 p.m. Reservations: (905) 828-5295. *UTM*

A Ludic Perspective: Cervantes and the Italian Renaissance.

THURSDAY, OCTOBER 21
Prof. Giuseppe Mazzotta, Yale University; 1999 Emilio Goggio visiting professor, final lecture on Constructing Worlds: Renaissance Experiments. Alumni Hall, Victoria College. 4 p.m.

Consuming Passions: The Politics and Poetics of Contemporary Picture Books.

THURSDAY, OCTOBER 21
Prof. Lissa Paul, University of New Brunswick. Lecture Theatre, Claude Bissell Building, 140 St. George St. 4:15 p.m. *Centre for the Book and Information Studies*

The RCI: Achievement and Change Through 150 Years.

SUNDAY, OCTOBER 24
Conrad Heidenreich, president, Royal Canadian Institute. Auditorium, Medical Sciences Building. 3 p.m. *Royal Canadian Institute*

Changing Times, Changing Roles: The End of Regulation in Communications?

MONDAY, OCTOBER 25
Charles Dalfen, Tory Tory DesLauriers & Binnington; Grafstein lecture in communications. Bennett Lecture Hall, Flavelle House, 78 Queen's Park. 4 p.m. *Law*

Sri Lanka: Third Century BC to 13th Century AD.

MONDAY, OCTOBER 25
Suwanda Sugunasiri, Trinity College. 241 Gerald Larkin Building, 15 Devonshire Place. 7:30 to 9:30 p.m. *Trinity Divinity*

A Visit to the Psychological World of the Woman at High Risk for Breast Cancer.

WEDNESDAY, OCTOBER 27
Prof. David Wellisch, University of California at Los Angeles. Ben Sadowski Auditorium, Mt. Sinai Hospital. 6:30 to 8:30 p.m. Reservations: 586-8338. *Psychiatry, Mt. Sinai Hospital and Samuel Lunenfeld Research Institute*

COLLOQUIA

Planetary Observations From Babylon, Egypt and (Maybe) Rome.

WEDNESDAY, OCTOBER 13
Prof. Alexander Jones, Institute for the History & Philosophy of Science & Technology. 323 Old Victoria College. 4 p.m. *IHPST*

Which Side, If Either, Is Correct About the "Science Wars" Conflict?

THURSDAY, OCTOBER 14
Prof. James Cushing, University of Notre Dame. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*

Orienting Liquid Crystals.

FRIDAY, OCTOBER 15
Prof. Nick Abbott, University of Wisconsin. 158 Lash Miller Chemical Laboratories. 3:30 p.m. *Chemistry*

Implementing the Tri-Council Policy Statement.

THURSDAY, OCTOBER 21
Prof. John Simpson and Dr. Padraig Darby, co-chairs of the REB. Meeting Centre, Centre for Addiction & Mental Health, 33 Russell St. 1 p.m.

Seismology and Atomic Testing: A Case Study in Collecting the Material Culture of 20th-Century Science at the Smithsonian.

WEDNESDAY, OCTOBER 20
Steven Turner, Smithsonian Institution. 323 Old Victoria College. 4 p.m. *IHPST*

Demonstrating the Science of Music: The Acoustical Instruments of Rudolf Koenig, 1832-1901.

THURSDAY, OCTOBER 21
David Pantalony, Institute for the History & Philosophy of Science & Technology, and Steven Turner, Smithsonian Institution. 102 McLennan Physical Laboratories. 4:10 p.m. *Physics*

The Family Squeeze ... the Sandwich Generation and Ethics.

WEDNESDAY, OCTOBER 27
Prof. Benjamin Schlesinger, Faculty of Social Work. Dean's Conference Room, Medical Sciences Building. Noon. *Research Services and Research Office, Faculty of Medicine*



SEMINARS

ES Cell Differentiation: A Model for Vascular and Hematopoietic Development.

TUESDAY, OCTOBER 12
Prof. Victoria Bautch, University of North Carolina at Chapel Hill. 968 Mt. Sinai Hospital. 2 p.m. *Samuel Lunenfeld Research Institute*

Russia: The New Round of Struggle for Power?

THURSDAY, OCTOBER 14
Alexander Buzgalin, independent scholar, Moscow. 14352 Roberts Library. 2 to 4 p.m. *Russian & East European Studies*

Regulation of Neurogenesis in the Adult Brain.

THURSDAY, OCTOBER 14
Prof. Elizabeth Gould, Princeton University. 6 Tanz Neuroscience Building. 4 p.m. *Physiology*

Shared Madness: Brief Reflections on the Methodology of the History of Psychiatry.

THURSDAY, OCTOBER 14
Prof. Mikkel Borch-Jacobsen, University of Washington; Hannah seminar for the history of medicine. Great Hall, 88 College St. 4 to 6 p.m. *History of Medicine*

Molecular Breeding in Oilseed Species for the Canadian Prairies.

FRIDAY, OCTOBER 15
Prof. Daryl Somers, University of Saskatchewan. 3127 South Building, U of T at Mississauga. Noon. *Erindale Biology*

Globalization in Crisis: State and Labour Strategies.

FRIDAY, OCTOBER 15
Prof. Leo Panitch, York University. 3050 Sidney Smith Hall. 2 to 4 p.m. *Political Science and International Studies*

The Politics of Immigration Reform in France.

TUESDAY, OCTOBER 19
Patrick Weil, Fondation Nationale des Sciences Politiques, Paris. 3050 Sidney Smith Hall. 4 to 6 p.m. *Political Science and International Studies*

Mouse Models to Dissect Phospholipid Signalling.

WEDNESDAY, OCTOBER 20
Dr. Josef Penninger, Ontario Cancer Institute. 968 Mt. Sinai Hospital. Noon. *Samuel Lunenfeld Research Institute*

The Future of Electricity Generation.

WEDNESDAY, OCTOBER 20
Carl Andognini, Ontario Power Generation. 116 Wallberg Building. 12:30 p.m. *Chemical Engineering & Applied Chemistry*

Defensible Methods of Assessing Fish Habitat: Site Specific Development Assessment, Area Fish Habitat Management Plans and Fish Production Dynamics.

FRIDAY, OCTOBER 22
Ken Minns, Great Lakes Laboratory for Fisheries and Aquatic Sciences. 3127 South Building, U of T at Mississauga. Noon. *Erindale Biology*

Is Small Still Beautiful? An Update on the Economics Side.

FRIDAY, OCTOBER 22
Prof. Albert Berry, economics. Combination Room, Trinity College. Noon to 2 p.m. Registration: cis.general@utoronto.ca. *International Studies*

Murder, Homosexuality and Secession: Popular Attitudes Towards the Supreme Court in the Wake of Recent Rulings.

FRIDAY, OCTOBER 22
Prof. Joseph Fletcher, political science. 3050 Sidney Smith Hall. 2 to 4 p.m. *Political Science*

Applied Science and Engineering as the Salvation of K-12 "Science" Education.

FRIDAY, OCTOBER 22
Prof. Rustum Roy, Pennsylvania State University. 310 Rosebrugh Building. 3 p.m. *Centre for Technology and Social Development*

Pagan Statues in Early Christian Gaul: The Archeology of Late-Antique Taste.

FRIDAY, OCTOBER 22
Prof. Lea Stirling, University of Manitoba. 244 University College. 3:10 p.m. *Classics*

Issues in Design of Collaborative Research With Community: Ethno-Racial Seniors Project.

TUESDAY, OCTOBER 26
Rosemary Meier and Amoy Ong, Mt. Sinai Hospital, and Joel Sadavoy, Institute of Medical Science. Suite 106, 222 College St. Noon to 1:30 p.m. *Human Development, Life Course & Aging*



MEETINGS & CONFERENCES

Negotiating Ideologies.

FRIDAY, OCTOBER 15 TO SUNDAY, OCTOBER 17
An interdisciplinary conference exploring the culture of antiquity. Keynote addresses: Is the Emperor a Father or a Master? Matthew Roller, Johns Hopkins University, Oct. 15, 4:30 p.m.; Political Discourse and Iconography, Josiah Ober, Princeton University, Sat., 6 p.m. Information: www.chass.utoronto.ca/classics/new_grad_prog/ideology_conf.html; 978-5513.

Planning & Budget Committee.

TUESDAY, OCTOBER 19
Council Chamber, Simcoe Hall. 5 p.m.

Minds That Matter: The 40th Anniversary of the Gairdner Foundation International Awards.

WEDNESDAY, OCTOBER 20 TO FRIDAY, OCTOBER 22
An international symposium featuring Gairdner Foundation award winners, past and present.

WEDNESDAY, OCTOBER 20
Sessions in the auditorium, Medical Sciences Building. 9 a.m. to 5 p.m.

Homeostasis. Wisdom of the Body, Dr. Peter Macklem, McGill University.

Programmed Cell Death. Genetic Control of Programmed Cell Death, Dr. Robert Horvitz, Massachusetts Institute of Technology; Apoptosis and Carcinogenesis, Dr. Andrew Wyllie, University of Cambridge.

Ubiquitin: The Intracellular Protein Degradation System. Lessons From the Discovery of the Ubiquitin System, Dr. Avram Herskko, Technion-Israel Institute of Technology; How and Why Cells Destroy Their Own Protein, Dr. Alexander Varshavsky, California Institute of Technology.

The Cell: Cell Cycle. Cell Cycle, Dr. Paul Nurse, Imperial Cancer Research Fund, U.K.

The Cell: Cell Signalling. Elementary and Global Aspects of Calcium Signalling, Sir Michael Berridge, The Babraham Institute, Cambridge, U.K.; Protein Modules and Signalling Networks, Dr. Anthony Pawson, molecular and medical genetics, U of T; Heptahelical Receptors and Their Signalling Mechanisms, Dr. Bob Lefkowitz, Duke University.

THURSDAY, OCTOBER 21
Sessions in Convocation Hall. 9 a.m. to 5 p.m.

The Gene. The Biology of Gene Structure, Dr. Phillip Sharp, Massachusetts Institute of Technology; Yeast and Cancer, Dr. Leland Hartwell, Fred Hutchinson Cancer Research Centre, Seattle, Wash.

EVENTS

The Brain.
Neuroreceptors and Brain Plasticity, Dr. Bert Sakmann, Max-Planck Institut; Prions and Dementia, Dr. Stan Prusiner, University of California at San Francisco.

Metabolic Regulation.
A Proteolytic Pathway That Controls Cholesterol in Membranes, Cells and Blood, Dr. Michael Brown, Southwestern Medical Centre at Dallas; Recent Progress in Prostaglandin and Leukotriene Research, Dr. Bengt Samuelsson, Nobel Foundation, Stockholm.

Immune System.
Genetic Dissection of an Immune Response, Dr. Tak Mak, medical biophysics, U of T; Immunity in Respiratory Infections, Dr. Peter Doherty, St. Jude's Children's Research Hospital, Memphis, Tenn.; On Immunity Against Tumours, Dr. Rolf Zinkernagel, University Hospital Zurich.

FRIDAY, OCTOBER 22
Public forum: Science and Society. Convocation Hall. 8:30 a.m. to 5 p.m. New Themes in Medical Science, Dr. Harold Varmus, National Institutes of Health; The Need for Science Education for Everyone, Dr. Bruce Alberts, National Academy of Science, Washington; Computing Organisms From Their Genome, Dr. Sydney Brenner, Molecular Sciences Institute Inc., Berkeley; The Impact of Biotechnology on Medicine: From the Surreal to the Real, Dr. Joseph Goldstein, Southwestern Medical Centre at Dallas; How the Brain Is Wired, Dr. Corey Goodman, University of California at Berkeley.

Cancer in the Next Decade.
Antiangiogenic Therapy of Cancer, Dr. Judah Folkman, Harvard University; Genetic Mechanisms That Create the Human Cancer Cell, Dr. Robert Weinberg, Massachusetts Institute of Technology; Telomeres, Life and Cancer, Dr. Elizabeth Blackburn, University of California at San Francisco; Worldwide Cancer Control Strategies, Dr. Richard Peto, University of Oxford; Cancer Care Ontario: A Disease Specific Model for the Delivery of Health, Dr. Charles Hollenberg, Cancer Care Ontario and professor emeritus, U of T.

Business Board.
MONDAY, OCTOBER 25
Council Chamber, Simcoe Hall. 5 p.m.

Committee on Academic Policy & Programs.
WEDNESDAY, OCTOBER 27
Council Chamber, Simcoe Hall. 4:10 p.m.



MUSIC

GEORGE IGNATIEFF THEATRE
Mozart and Salieri.

WEDNESDAY, OCTOBER 13 AND
FRIDAY, OCTOBER 14

A staged performance of Rimsky-Korsakov's chamber opera set to Pushkin's verse play about genius and crime; in conjunction with Celebrating Pushkin sponsored by the Centre for Russian & East Asian Studies. 15 Devonshire Place. 7:30 p.m. Tickets \$5.

FACULTY OF MUSIC
EDWARD JOHNSON BUILDING

Women in Song at U of T.

SATURDAY, OCTOBER 16
International Festival of Treble Choirs feature the U of T Women's Chorus,

Ithaca Women's Chorus, High Park Girls Choirs, Oriana Singers and Amabile Youth Chorus. MacMillan Theatre. 8 p.m. Tickets \$10, students and seniors \$5.

Electroacoustic Music.

SUNDAY, OCTOBER 17
Featuring recent student compositions. Walter Hall. 2 p.m.

Opera Tea.

TUESDAY, OCTOBER 19
An afternoon of opera and tea, featuring a Noel Coward review; sponsored by the Julie-Jiggs Foundation. MacMillan Theatre. 2:30 p.m. Tickets \$20.

Young Artists Recital Series.

TUESDAY, OCTOBER 19
Featuring exceptional faculty students and artists of the Aldeburgh Connection: Virginia Hatfield, soprano; Matthew Leigh, baritone; Bruce Ubukata, piano. Walter Hall. 8 p.m.

Small Jazz Ensembles.

WEDNESDAY, OCTOBER 20
Favourite standards and student arrangements and compositions; sponsored by Long & McQuade Musical Instruments. Walter Hall. 8 p.m.

Thursday Noon Series.

THURSDAY, OCTOBER 21
Faculty Woodwind Quintet: Douglas Stewart, flute; Stephen Pierre, clarinet; Clare Scholtz, oboe; Kathleen McLean, bassoon; Marcus Hennigar, french horn. Walter Hall. 12:10 p.m.

U of T Chamber Orchestra.

FRIDAY, OCTOBER 22
Raffi Armenian, music director. Tickets \$10, students and seniors \$5.

Wind Symphony & Concert Band.

SATURDAY, OCTOBER 23
Jeffrey Reynolds and Cameron Walter, conductors. MacMillan Theatre. 8 p.m. Tickets \$10, students and seniors \$5.

Vocal Students Performances.

TUESDAY, OCTOBER 26
Featuring the outstanding students of the voice program. Walter Hall. 12:10 p.m.



PLAYS & READINGS

Man of Destiny/
Dark Lady of the Sonnets.

WEDNESDAYS TO SUNDAYS,
OCTOBER 10 TO NOVEMBER 3
By George Bernard Shaw; directed by Chris Abraham and Ned Vukovic. Presented by the Graduate Centre for Study of Drama and Solar Stage. Robert Gill Theatre, Koffler Student Services Centre. Performances at 8 p.m. except Sunday 2 p.m. Tickets \$13, students and seniors \$10; Sunday pay what you can. Box office: 978-7986.



EXHIBITIONS

JUSTINA M. BARNICKE GALLERY
HART HOUSE
Hoi Polloi.

TO NOVEMBER 5
New work by Stephen Andrews. Both galleries. Gallery hours: Monday to

Friday, 11 a.m. to 7 p.m.; Saturday and Sunday, 1 to 4 p.m.

NEWMAN CENTRE York Artists Guild.

TO NOVEMBER 5
Oils, watercolours and acrylics by members of the guild. Ground floor. Hours: Monday to Friday, 9 a.m. to 5 p.m.

THOMAS FISHER RARE BOOK LIBRARY

All in the Golden Afternoon:
The Inventions of Lewis Carroll.

TO JANUARY 28.
Illustrated editions of *Alice in Wonderland*, *Alice Through the Looking Glass* and *The Hunting of the Snark* as well as other works by C.L. Dodgson; selections from the Joseph Brabant Collection. Hours: Monday to Friday, 9 a.m. to 5 p.m.

FACULTY OF ARCHITECTURE, LANDSCAPE & DESIGN Yolles Protégé Competition.

OCTOBER 12 TO NOVEMBER 11
Presentation of U of T's collaborative architecture and engineering student design competition. 230 College St. Hours: Monday to Friday, 9 a.m. to 4:30 p.m.

PONTIFICAL INSTITUTE OF MEDIAEVAL STUDIES Treasures of Montecassino.

OCTOBER 25 TO OCTOBER 28
First exhibition in Canada of manuscripts and other treasures from the cradle of the Benedictine Order. Library, 113 St. Joseph St. Hours: Monday to Thursday, 10 a.m. to 4 p.m.



MISCELLANY

Access to Post-Secondary Education for Persons With Disabilities.

WEDNESDAY, OCTOBER 13
Panel discussion about access to post-secondary education for people with disabilities; in conjunction with Disability Awareness Day at U of T. Panel members include University Professor Emeritus Ursula Franklin of metallurgy and materials science, David Lepofsky of the Faculty of Law and chair of the Ontarians With Disabilities Act Coalition, Professor Norman Coombs of the Rochester Institute of Technology, a blind history teacher who is an advocate of accessible education and several U of T students with disabilities. President Robert Prichard will introduce the panel; Professor Ian Orchard, vice-provost (students) will moderate. Great Hall, Hart House. 2 to 4 p.m. *Disability Services for Students, Adaptive Technology Resource Centre and Office of the Vice-Provost (Students)*

Choosing Child Care That Works for Your Family.

THURSDAY, OCTOBER 14
Session covers types of care available, costs, evaluation of caregivers and other information that parents need to make the best decision for their children. Noon to 1 p.m. Registration: 978-0951; e-mail, family.care@utoronto.ca. *Family Care Office*

University College Book Sale.

FRIDAY, OCTOBER 15 TO
TUESDAY, OCTOBER 19
Thousands of books, fiction and non-fiction, gently used and new on a variety of topics. Friday, 3 to 8 p.m. (admission \$2, students free with ID); Saturday, 10 a.m.

to 5 p.m. (admission \$1); Sunday, noon to 7 p.m. (free on-campus parking); Monday and Tuesday, 10 a.m. to 8 p.m. East and West Halls. Proceeds to the library. Information: 978-2968. *UC Alumni Association*

Trinity College Book Sale.

FRIDAY, OCTOBER 15
TO TUESDAY, OCTOBER 19
Twenty-fourth annual sale of the Friends of the Library, Trinity College. New stock daily. Seeley Hall, Trinity College. Friday, 6 to 10 p.m. (admission \$2); Saturday, 10 a.m. to 8 p.m.; Sunday, noon to 8 p.m.; Monday and Tuesday, 10 a.m. to 9 p.m.

Celebration of the Life

Professor Emeritus L. E. Jones.
SATURDAY, OCTOBER 16
An occasion to celebrate the life of Ted Jones of the Faculty of Applied Science & Engineering. Convocation Hall. 2 p.m.

Healthy Children: Healthy Nations.

TUESDAY, OCTOBER 19 TO
TUESDAY, NOVEMBER 2
The following are highlights of the 10th annual visiting lectureship on native health. For further information contact Dr. C.P. Shah, 978-6459; e-mail, c.shah@utoronto.ca.

TUESDAY, OCTOBER 19
Inaugural lecture: Healthy Children, Healthy Nations, Ovide Mercredi, former national chief of the Assembly of First Nations; Better Beginning, Better Future, Richard Budgell, Health Canada; sponsored by the aboriginal health office, Ontario Ministry of Health. Hart House Theatre. 2 to 4:20 p.m.

TUESDAY, OCTOBER 26
Keeping the Momentum in School, Bill Mussell, SaliT'shan Institute, B.C.; sponsored by Hospital for Sick Children Foundation. 4171 Medical Sciences Building. 2 p.m.

TUESDAY, NOVEMBER 2
Youths: The Future, Deputy Grand Chief James Morris, Nishanwe-Aski-Nation; sponsored by the aboriginal child and youth section of Health Canada.

Data Mining, Knowledge Management and Web Database Information Day.
WEDNESDAY, OCTOBER 20

An opportunity to learn about emerging technologies and approaches to storing, accessing, exploring and representing and sharing information through online services and the World Wide Web. 4049 Robarts Library. Free but registration required: <http://www.utoronto.ca/cat/datamine.html>. Information: 946-5597. *Centre for Academic & Adaptive Technology, Scotiabank Information Commons*

Alzheimer's Support Group.

THURSDAY, OCTOBER 21
A support group for students, staff and faculty whose loved ones have Alzheimer's disease; Marija Padjen of the Alzheimer Society of Toronto will lead the group. This is the first of a proposed six-week schedule. Family Care Office, Koffler Student Services Centre. Noon. *Family Care Office*

Voices of New Ireland: A Symposium of Irish and Canadian Writers.

SATURDAY, OCTOBER 23
Well-known writers from Ireland and Canada will read from their latest work and discuss their craft. Alumni Hall, St. Michael's College, 121 St. Joseph St. 9:30 a.m. to 5 p.m. Information: 926-7145. *Celtic Studies*

UTM Openings.

TUESDAY, OCTOBER 26
A celebration at the University of Toronto at Mississauga when UTM officially opens two new buildings: the new student residence, phase six, and the student centre. Festivities begin at 4 p.m. RSVP (905) 828-5214 or cferencz@credit.erin.utoronto.ca.



DEADLINES

Please note that information for Events listings must be received in writing at The Bulletin offices, 21 King's College Circle, by the following times:

Issue of October 25, for events taking place Oct. 25 to Nov. 8: **TUESDAY, OCTOBER 12.**
Issue of November 8, for events taking place Nov. 8 to 29: **MONDAY, OCTOBER 25.**

UNIVERSITY OF TORONTO

THE BULLETIN

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WIDENING OUR HORIZONS

PhD students should be encouraged to look beyond the academic job market

By JONATHAN MALLOY

LAST SPRING THE COUNCIL OF ONTARIO Universities (COU) released a report on predicted university enrolments over the next decade. The report forecast a considerable increase in undergraduate numbers, particularly when members of the "double cohort" — the students who began high school last year and those starting this fall — jointly graduate from those high schools in 2003 when Ontario eliminates Grade 13. COU argued that this surge warrants the hiring of between 11,000 and 13,000 new professors in Ontario between now and 2010.

Unfortunately my hometown newspaper, the *Kitchener-Waterloo Record*, misread the press release. Its front-page, above-the-fold story proclaimed that Ontario universities *will* be hiring thousands of new professors — not would like to, but *will*. The story predicted dire shortages and bidding wars for new and imminent PhD graduates like myself. Consequently all summer long I have been correcting relatives and friends — all of whom seem to be very active newspaper readers — that, no, I am not a hot item. Deans are not phoning. I have not hired an agent. No signing bonuses are coming my way.

Like most veteran graduate students, I didn't pay much attention to the COU report. We've heard it all too often — the coming hiring binge due to enrolments, retirements or some other happy prediction in the demographic crystal ball. It's true that the academic job market is improving as government budget cuts are ending and the generation hired in the 1960s is beginning to retire. The University of Toronto's official planning document, *Raising Our Sights*, forecasts between 80 and 100 new hirings in the next five years and calls this special "a wave of faculty hiring at the university unmatched since the late 1960s and early 1970s." In its Jan. 19 issue the *Chronicle of Higher Education* reported a "modest upswing" in hiring across all disciplines and forecast further improvements over the next few years.

Despite all this enthusiasm it is still far from a job-seeker's market. Any tenure-track opening attracts a deluge of strong applicants, numbering in the hundreds in some disciplines. The number of available jobs is still considerably outweighed by the number of new graduates entering the market annually. U of T alone, for example, awards over 500 doctoral degrees every year. Newly minted PhDs entering the job market also quickly discover that they are not just competing against each other but with the army of doctoral graduates who have been shut out of the job market in previous years. The academic job market has been so bad over the past decade that this new hiring is simply advancing PhDs' job prospects from awful to merely terrible.

MANY STUDENTS AND FACULTY, HOWEVER, STILL BELIEVE that the market will imminently transform into a graduate student's dream. Deans will beg us to come teach for them. We will be able to relax and pick out the city and university of our choice, rather than desperately moving to any place that will hire us for an eight-month sessional appointment. Even as others lose faith, this belief is constantly transferred to new students. I recently talked to a woman starting her MA who hopes to continue on to a PhD and academic career. I brought up the issue of lousy job prospects but she solemnly informed me that this would no longer be the case. "Don't you know about the double cohort?" she asked, open-eyed and without a trace of skepticism. "There'll be lots of jobs when I get out."

How could I tell her that, despite the happy demographics and planning documents, she is still likely to graduate into a life of driving up and down Highway 401, teaching stipend courses at a handful of universities? Far from weighing competing bids, PhDs take whatever they can get, whether or not it has anything to do with their professional and personal hopes and aspirations. The "modest upswing" in hirings is not



going to change this significantly, particularly for new graduates who must compete with overqualified "gypsy faculty" for the newly available jobs.

Despite the last 20 years of massive oversupply of PhDs for available academic positions, doctoral students are still constantly given the message that they should just hold on. The jobs are coming — the demographic crystal ball says so. And what else can the vast majority of graduates do? They have been overwhelmingly trained, directed and encouraged to focus on the academic job market. While a few fields like computer science or my own area of public administration have some employment prospects in the outside world, most PhD graduates are both too overspecialized, and too acclimated to the academic environment, to find jobs other than in universities.

This makes me think that rather than waiting forever for a great hiring binge to appear, we need to rethink the relationship between the PhD and the job market. Even if the job market does improve dramatically, universities must work to

THE JOBS ARE COMING.

THE DEMOGRAPHIC
CRYSTAL BALL SAYS SO.

ensure that their graduate students have serious and viable options outside academia. I realize I'm hardly the first person to say we need to "rethink the PhD," but I'm not talking about drastic program changes or cutting enrolments. Rather my hope is simply that graduate students be encouraged to think earlier in their programs about job prospects outside academia and given the help and incentives to find permanent and satisfying employment before their 35th birthday.

How to do this? I have three suggestions, none of which have anything to do with academic content such as program requirements, courses, comprehensive exams or dissertation topics.

Instead it is larger structures and attitudes that must be modified to grapple with the reality of the academic job market.

First, departments and divisions need to assess where their graduates are ending up right now. My own department of political science has taken the initiative on this, collecting extensive data on its recent doctoral graduates and making realistic assessments of how well its PhDs are actually doing in the academic job market. But to the best of my knowledge most departments at U of T or elsewhere have no systematic data on how their PhDs are doing. This information needs to be collected and shared with current and incoming students so they know what they are likely getting into. Some may object to this, saying it will scare away the best prospects. But if a person is considering doctoral work solely because they hope to get a good job out of it, that person is not really suited for the life of academic inquiry. The best people will not be scared off — just better equipped for reality.

Second, graduate students need to be encouraged to seek internships and other temporary work related to their academic program. Instead they are penalized for this by being forced to keep paying tuition and yet forfeit even small scholarships if their paid workload exceeds 10 hours a week. Many students could benefit from a six-month break to allow them to get out of the library or lab, exploring and applying their research in the outside world. Most PhDs, however, are only allowed to really figure out how to merge their academic work with the job market once they've graduated.

Again there's an easy objection — that once PhD students start working, they don't stop and their dissertations gather dust forever. This is a less likely scenario for internships and other fixed-term contracts where students can plan absences and their return. But even if dissertations are never completed, so what? I think it's preferable that people find interesting and rewarding things to do with their lives than feeling they've failed because they never finished their doctorates.

A third and final suggestion is primarily one of individual attitudes. Professors are probably correct in assuming that PhDs want to become professors as well since nearly all doctoral students aspire to a life of the mind, working with ideas in a place of scholarly freedom and support. But faculty must stop the largely unconscious assumption that academic employment is the only game in town and that anything else is a distraction and waste of a doctoral education.

It's true that the world is not exactly clamouring for more PhDs, at least in the humanities and most social and natural sciences. But graduate students must be given the encouragement and freedom to consider other opportunities and to shape their work in ways that will help their post-graduation prospects. I'm not talking about trying to pick "hot fields" or "practical topics," which never seem to deliver the expected rewards anyway. I am simply suggesting that professors talk more frankly with their students about the latter's hopes and preferences, rather than assuming students can't even imagine life outside academia. Faculty must signal to students that it's okay not to jump on the sessional roller coaster. Students should be allowed to follow their own dreams and to choose topics and strategies that reflect their personal and professional aspirations.

TO CONCLUDE, THE "MODEST UPSWING" IN HIRING MAY turn into a genuine hiring surge someday, but it's ridiculous to place all our hopes on the demographic crystal ball. Faculty and students alike need to rethink the career options of PhDs based on the long-standing reality of massive oversupply. Academia is also not the only fulfilling career in the world and this message needs to be given much more explicitly to graduate students.

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